

Enhancing NIH Partnering with Maryland Companies

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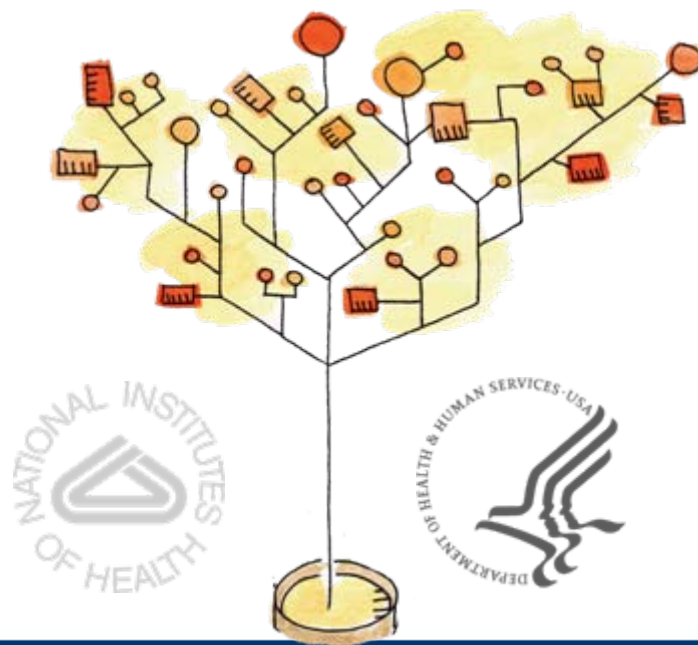
Director

Office of Technology Transfer

National Institutes of Health

U.S. Department of Health & Human Services

www.ott.nih.gov



Opportunities


- NIH as source of trained workforce
- Licensing IP and Materials from NIH
- Collaborations with NIH to address scientific challenges
- Access to expertise and facilities
- University-NIH-industry

NIH Scientist-Entrepreneur


- Sherrie Bale GeneDx
- Martha Knight CC Biotech
- Bruce Weintraub Trophogen
- Frank Robey AriaVax
- Aprile Pilon Claragen
- David Neville Angimmune
- Pete Nara Biological Mimetics



Entrepreneurial Education Programs



48th year

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FOUNDATION FOR ADVANCED
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FAES GRADUATE SCHOOL AT NIH
2007 - 2008 Catalog of Graduate
and Undergraduate Courses

www.faes.org

1 Cloister Court
Suite 230
Bethesda, MD 20814
301.496.7976

- what is technology transfer?
- what are the career opportunities in the field?
- why not seek new opportunities in science?
- introducing...

***A Technology Transfer
Certification Program***

 **FAES**
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presented by...

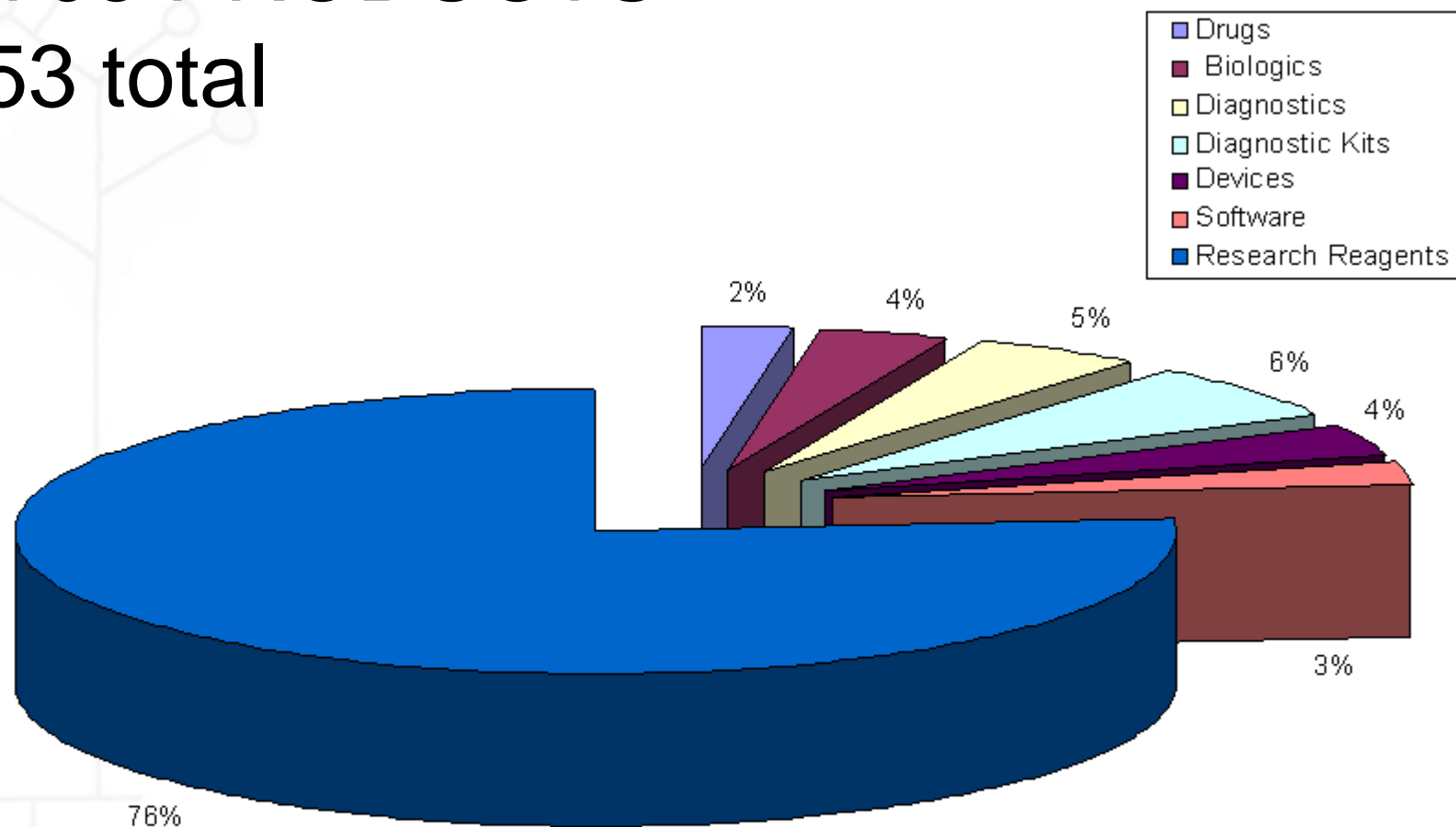
Science. Ideas. Breakthroughs.

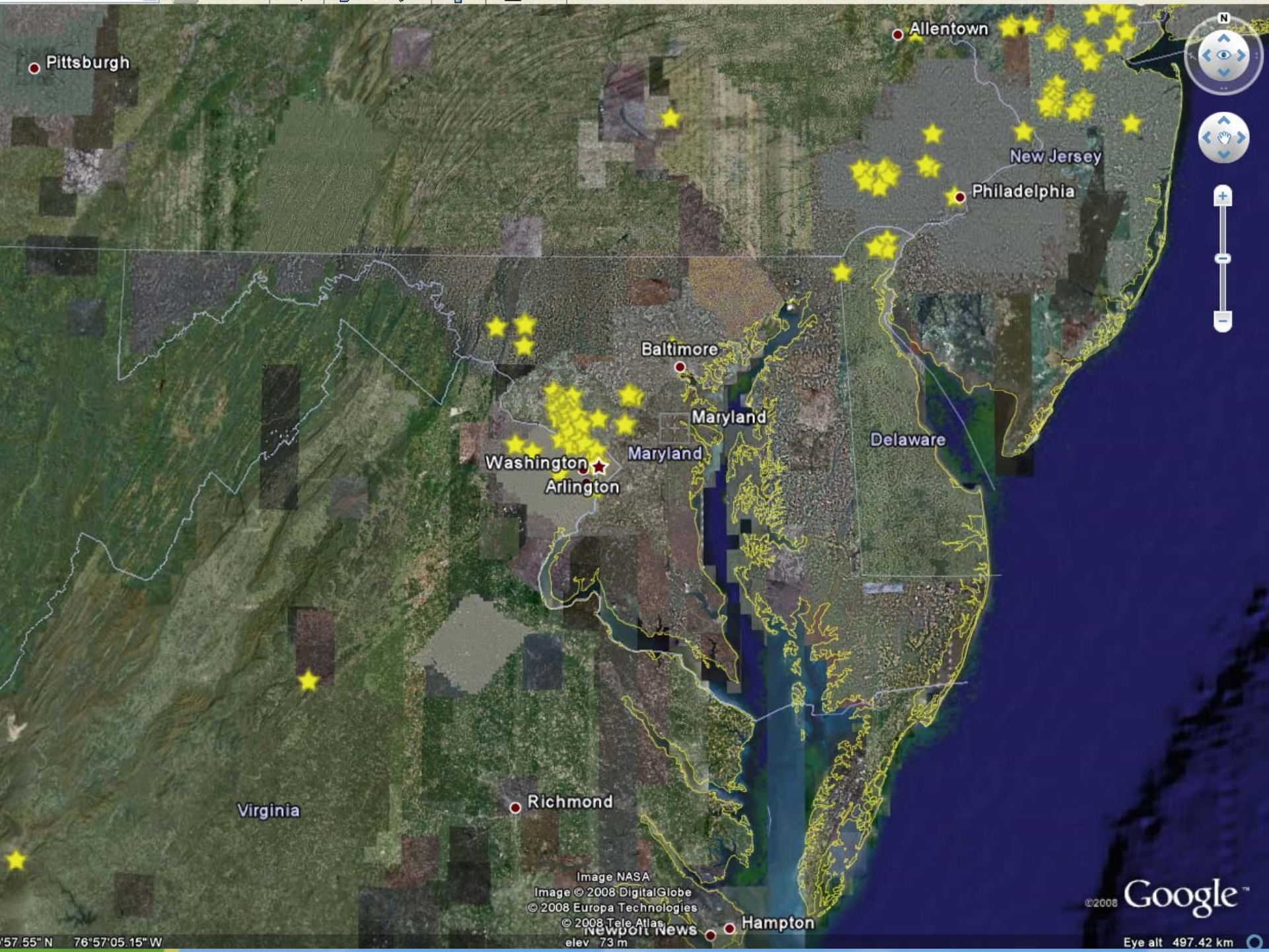
Portfolio

- **FY08**
 - 402 invention disclosures
 - 176 new US patent applications (343 US applications)
 - 88 issued patents
 - 259 licenses
 - \$97.2M royalties administered
- **TOTAL ACTIVE**
 - 3500 patents pending and issued
 - 1300 active commercial licenses
- **TOTAL TO DATE (1987-2008)**
 - More than 400 products (including research tools) on the market, 25 FDA approved
 - \$867M in royalties collected
 - \$45B in products sales by companies for our licensed products

FY08 PRODUCTS

253 total





Pittsburgh

Allentown

New Jersey

Philadelphia

Delaware

Baltimore

Maryland

Maryland

Washington

Arlington

Virginia

Richmond

Hampton

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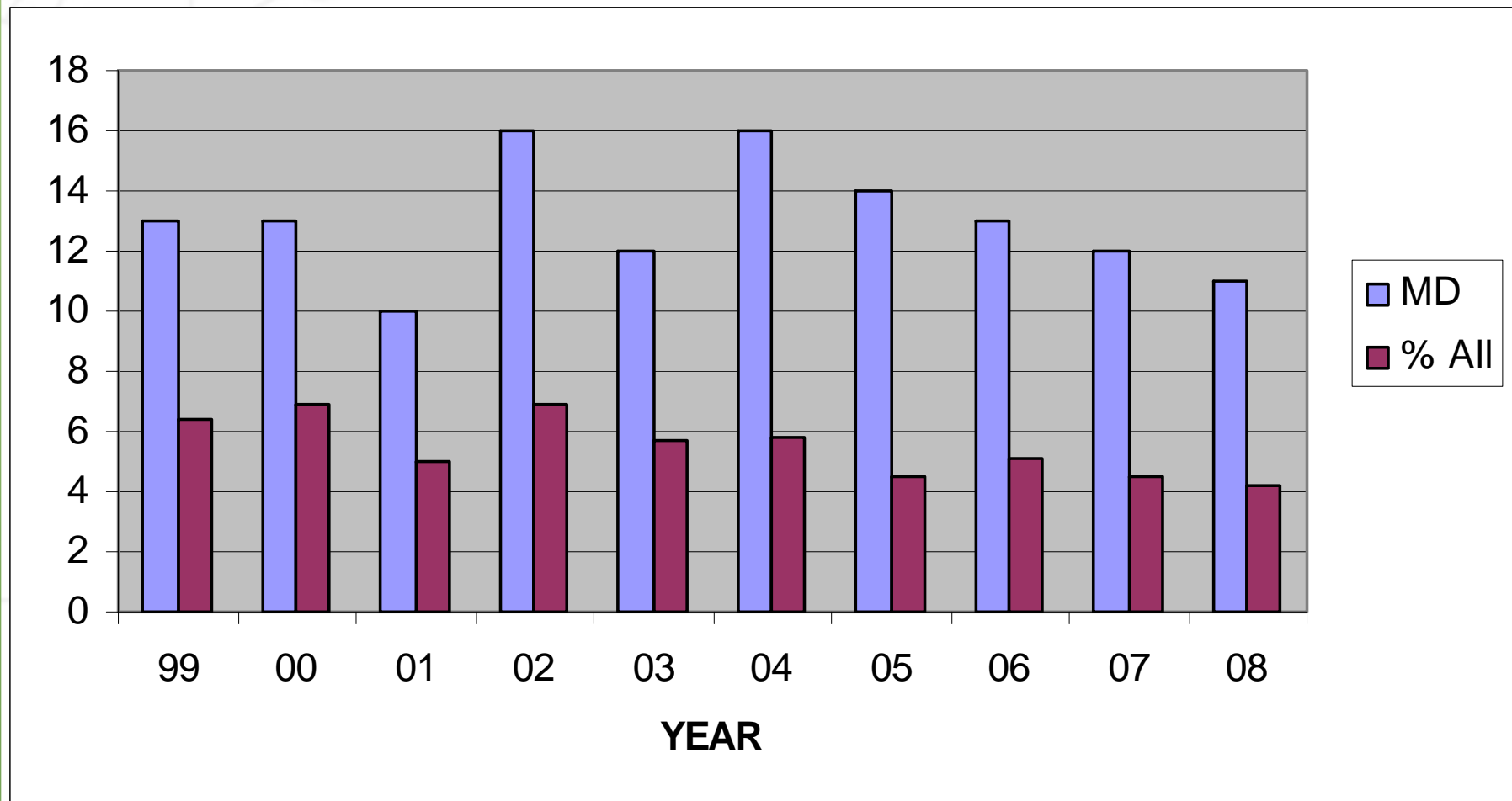
37°57.55" N 76°57'05.15" W

Eye alt 497.42 km

NIH Contributions to Products

• LCM	Theranostics
• LGS	20/20 Gene Systems
• caFlu	MedImmune
• RSV	MedImmune
• HPV	MedImmune
• Pertussis	AmVax

New Licenses





Collaborating with NIH Scientists

**Material Transfer Agreements
Clinical Trial Agreements
CRADAs**



CRADA Partners 1999-2008

Panacos	VIPS	CC Biotech
Surgivision	Sequella	Nucletron
EntreMed	Wellstat	MacroGenics
LifeTime	Medical Analysis Systems	
Correlogic	RAMS	Celsion
HGI	AlbaPharm	VIRxSYS
GenVec	Beecher	Profectus Biosystems
Novavax	Dovetail	Lentigen
CytoPulse	GeneLogic	AREVA
Rexahn	20/20 Gene Systems	Aeras
Celera	Martek	Avalon
MacroGenics	Boston Biomedica	Osiris
Guilford	Shimadzu	RegeneRx
MedImmune	TIGR	Biometrix



NIH Conflict of Interest Rules 2005

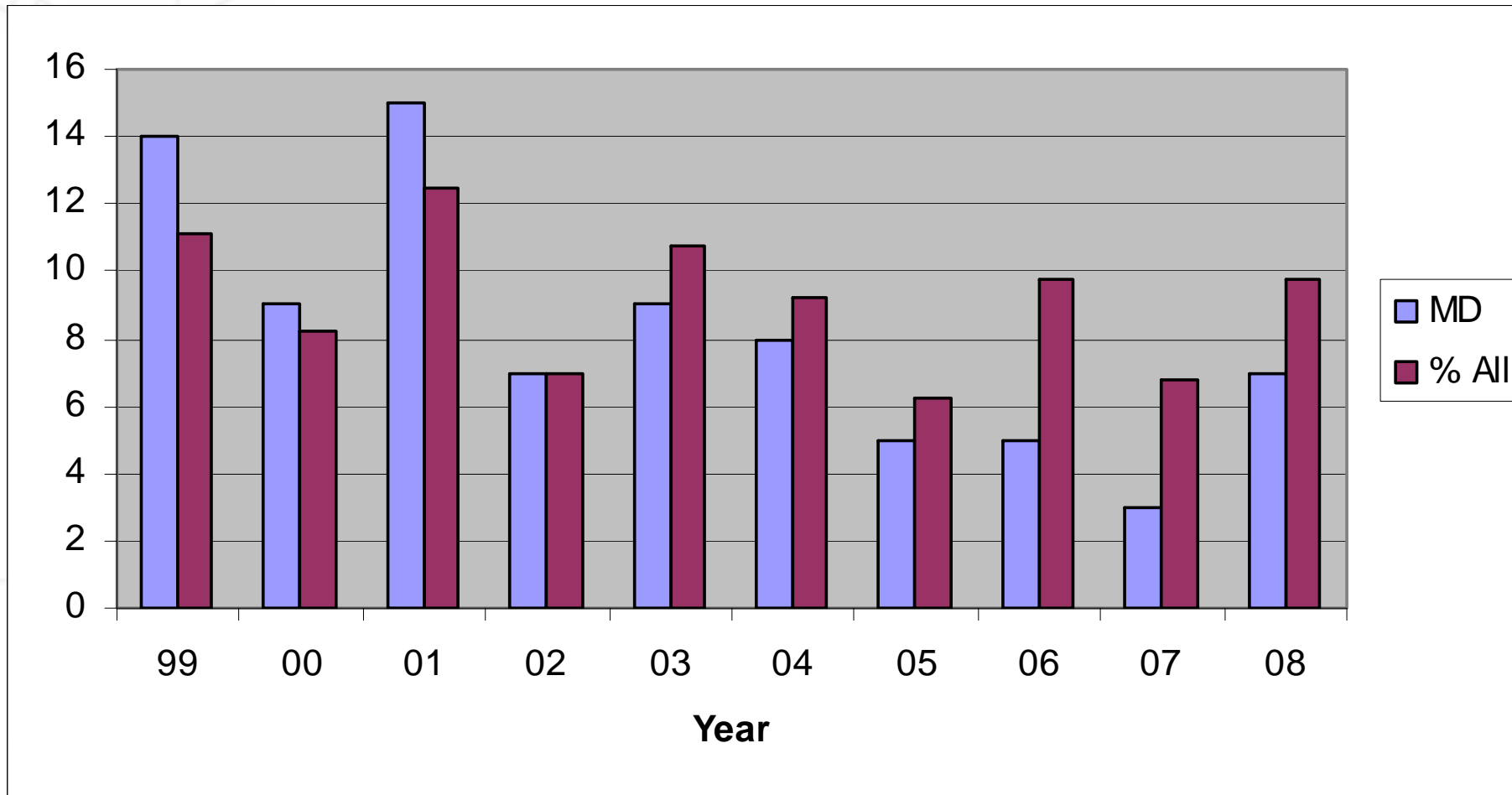
- No outside consulting with biotech and pharma companies
- Official duties not affected including scientific collaborations with no personal compensation

NIH CRADAs

Total active in FY08: 347
With MD companies: 18 (5.2%)

	FY05	FY06	FY07	FY08
New	80	51	44	72

CRADAs



Enhancing NIH-Biotech Collaboration: Networking and Exposure

Biotech scientific presentations at NIH

NIH scientist presentations to companies

NIH Technical Reviewers (e.g. TEDCO)

Activate at NIH (UMBC proposal to NSF)

Facilitating access to local incubators

Communication of COI rules

High Level Working Group to identify and resolve
perceived and real logjams

Post-doc Exchange

TEDCO MOU and Showcase

Expert Locator Systems

- Various efforts in MD to develop a database of biomedical experts
- Goal to facilitate collaboration
- More development needed
- Current source of information on NIH intramural scientists

<http://intramural.nih.gov/search/index.tml>

- Information on funded grants and contracts

CRISP 1972-2009

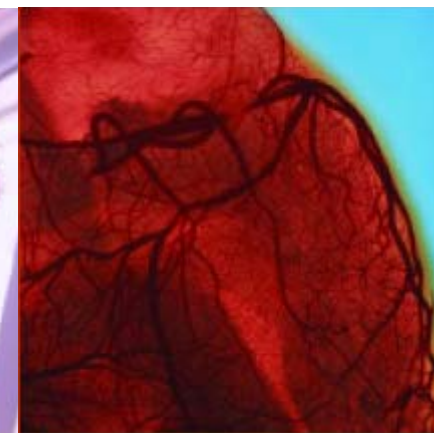
<http://crisp.cit.nih.gov>



INITIATIVES

- [Rare and Neglected Diseases](#) –licensing opportunities
- [P2P](#)- joint project with NIH SBIR/STTR
- [Product Showcase](#)
- n-TTM – Next-generation TT Management system
- eRM – electronic research materials catalogue
- Research Resources – joint project with MD-TEDCO and FLC
- Website – promote NIH/FDA pipeline





NIH *Transforming medicine through discovery*

